INC P
U

CMTE 6-SR

ICS 8007-88
14 December 1988

MEMORANDUM FOR: CMCDS Architecture and Communications Working Group

FROM: [redacted] STAT
Co-Chairman, Architecture and Communications Working Group

SUBJECT: A&C Working Group Meeting - 21 December 1988

1. The next meeting of the CMCDS Architecture and Communications Working Group will be held on Wednesday, 21 December 1988 from 0930-1200 in Room 1S06, [redacted] STAT

2. The agenda for the meeting will include a briefing on CMCDS architectural considerations by the COINS PMO, a briefing by LOGICON on a preliminary conceptual, functional and hardware and software architecture and discussion and definition of issues required to be addressed by the working group arising therefrom. STAT

3. For your information, in preparation for the meeting, I am enclosing a preliminary draft of the LOGICON developed conceptual and functional architecture.

4. Please notify [redacted] of the IHC Staff [redacted] as to whether or not you will be in attendance at the meeting. STAT

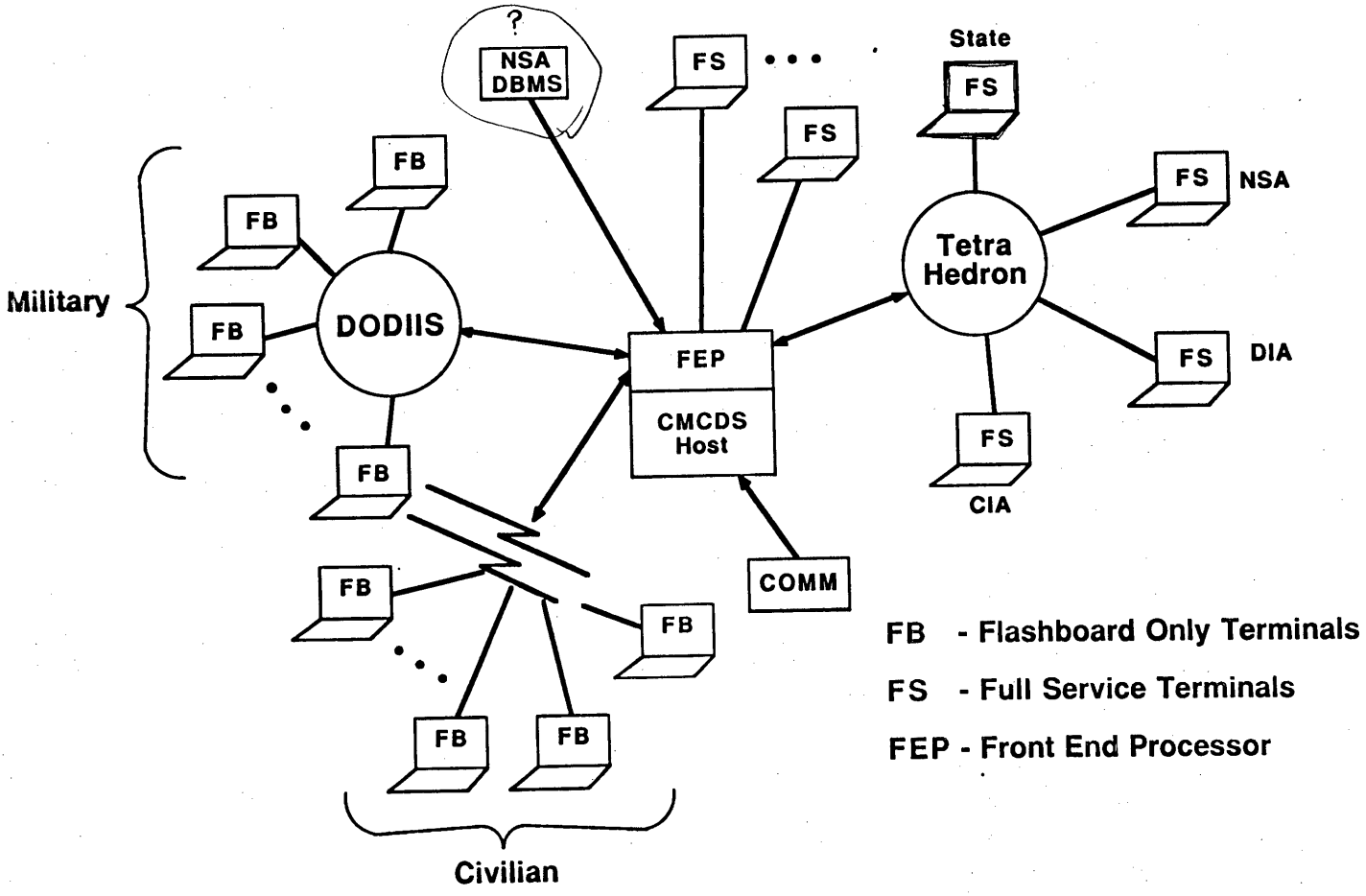
Attachment:
As Stated

SUBJECT: A&C Working Group Meeting - 21 December 1988

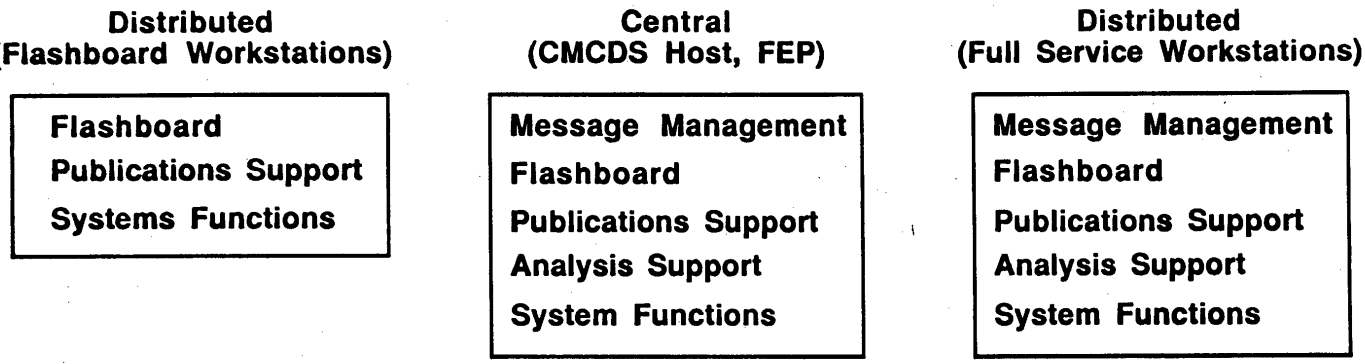
Distribution: ICS 8007/88
1 - CIA/OIT [redacted] STAT
1 - CIA/OIT [redacted]
1 - Coast Guard (E. Gies)
1 - DIA [redacted] STAT
1 - DIA/DSM-2
1 - DIA/DC5C [redacted]
1 - STATE/OC/T (R. White)
1 - STATE/OC/FO (T. Pallozi)
1 - STATE/RCI/INR (H. Hutson)
1 - NSA [redacted] STAT
1 - NSA
1 - NSA
1 - NSA
1 - [redacted]
1 -
1 - IHC Subj
1 - IHC Chrono
1 - ICS Reg

DCI/ICS/IHC [redacted] (14Dec88) STAT

# Conceptual Architecture



# Functional Architecture



# Functional Architecture (Central)

## CMCDS

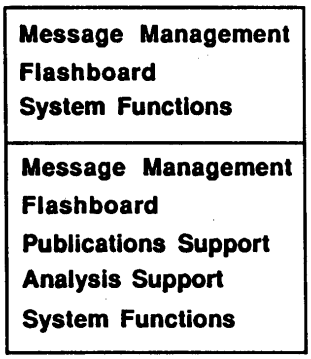
**Message Management**
- Receive, Combine, Dissem
- Store Online & Offline
- Limited 3rd Party Re-dissem
- Alert Generation

**Flashboard**
- Store & Audit E-Mail

**Publications Support**
- Language Translation

**Analysis Support**
- Database Retrospective Search
- Canned Summaries
- Statistics
- Link Analysis
- Incident History
- Incident Timeline
- Name Trace

**System Functions**
- Remote Printers
- Graphics (Photos, Maps)
- User Tools (Training, HELP, Data Dictionary)
- Data Mngmt (Auto Update DB, Downgrade Class., Integrate DBs)
- Security
- System Performance Monitoring




## FEP

**Message Management**
- Alert Queueing

**Flashboard**
- E-Mail
- Conversation (Chatter)

**System Functions**
- External System Link
- Network/Workstation Interface
- Graphics Transmission Protocol
- Security
- System Performance Monitoring

# Functional Architecture (Distributed)

## Flashboard Workstations

**Flashboard**

- E-Mail
- Conversation

**Publications Support**

- Word Processing
- Desktop Publishing

**System Characteristics**

- Local Printer (Slave)
- Graphics (Charts, Figures)
- User Interface (Menus, Windows)
- Security

## Full Service Workstation
(Flashboard Workstation Plus)

**Message Management**

- Alert on Logon

**Publication Support**

- Access Host Databases for Information

**Analysis Support**

- Statistics
- Incident History
- Incident Timeline

**System Functions**

- Graphics

# Problems for Functional Architecture

1. **COTS products in workstation (e.g. WINDOWS) cannot be integrated with current DESIST.**

2. **Current message system in DESIST cannot support compartmentalization or conversational mode.**

3. **~~Its~~ IF high resolution graphics will be a later enhancement to CMCDS, the network and communications must BE ABLE TO provide sufficient bandwidth, ~~at the first phase after current DESIST.~~**

# Questions of CMCDS Functionality

1. Do COTS packages exist for language translation? On mainframe or workstation?

2. Should other DBMS be linked electronically to CMCDS for data downloading?

3. Can the networks handle the data rate/bandwidth for graphics transmission? What level of graphics resolution for what cost?